

FIG. 2

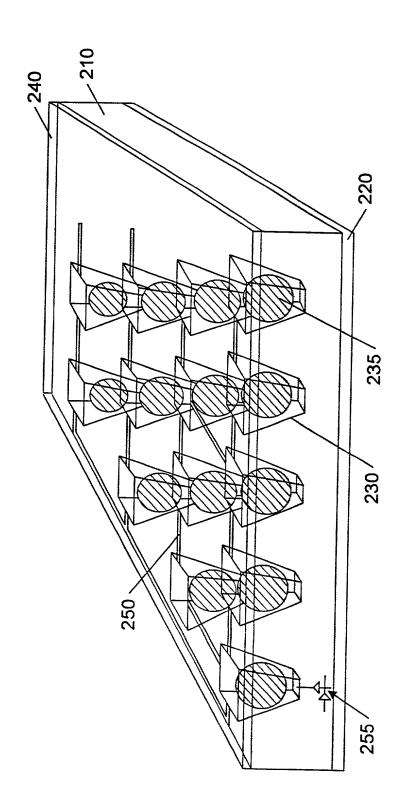


FIG. 3

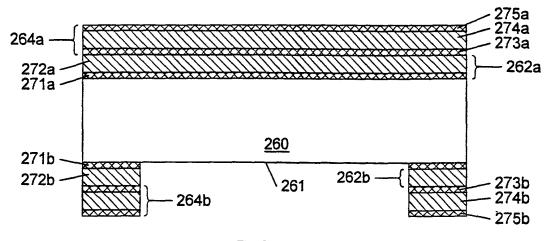


FIG. 4A

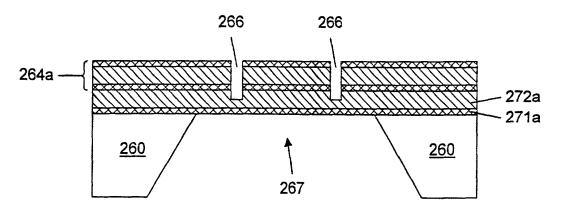


FIG. 4B

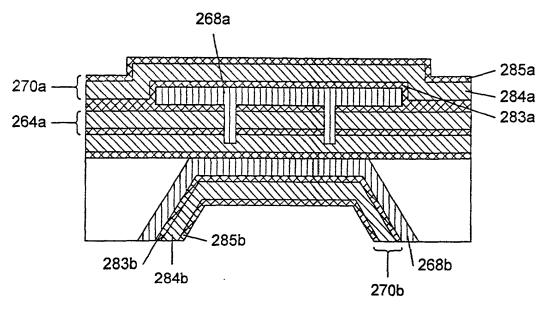


FIG. 4C

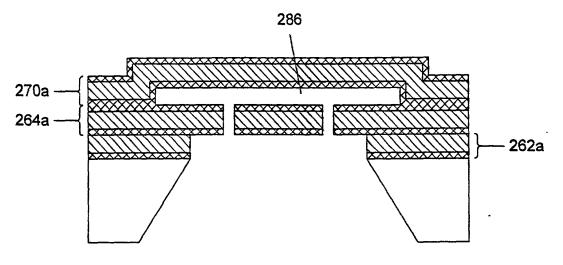


FIG. 4D

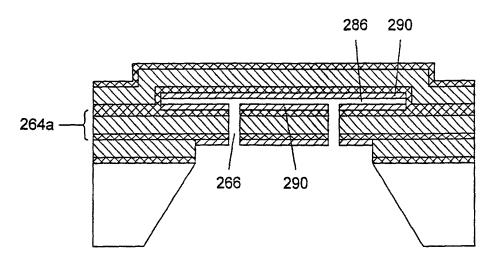


FIG. 4E

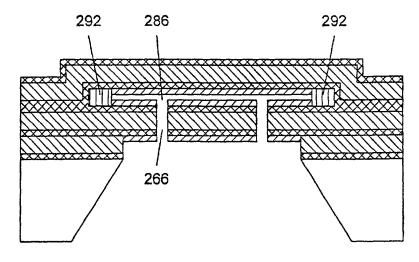
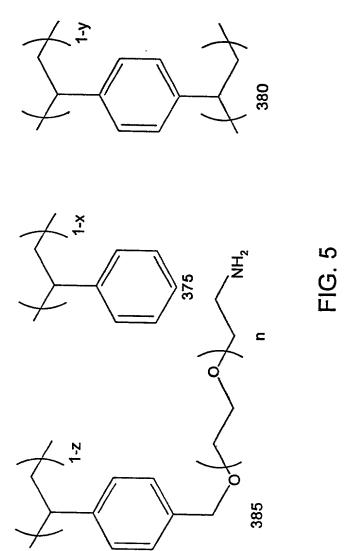


FIG. 4F



o-cresolphthalein complexone

FIG. 6

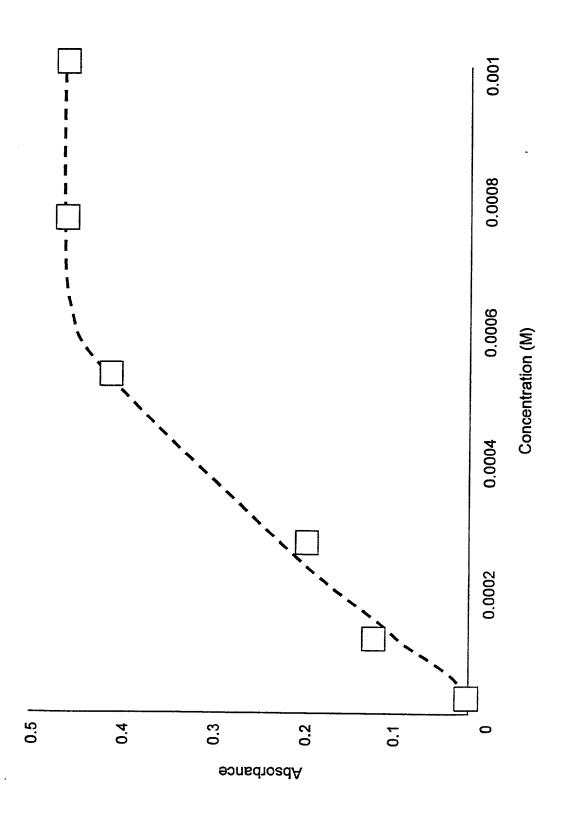
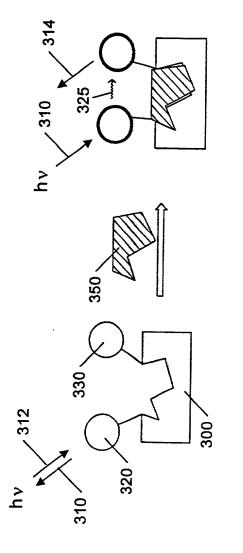


FIG. 7



<u>G</u>. 8

$$\begin{array}{c} HO \\ OH \\ OH \\ OH \\ \hline \\ 510 \\ \end{array}$$

FIG. 9

Peptides

Nucleotides

$$\begin{array}{c|c} H_2N-R_2-NHtBOC \\ \hline 420 \\ \hline \end{array}$$

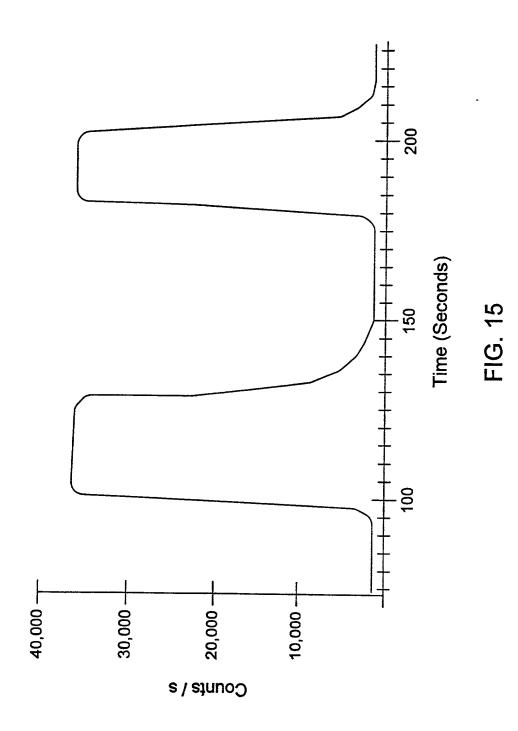
FIG. 11

FIG. 12

FIG. 13

HO
$$CO_2H$$
 CO_2H H_2N NH_2 H_2N NH_2 $A75$

FIG. 14



RESIN: 0-Cresol- Alizarin-Ce ³						
рŀ		Blank	Alizarin	o-Cresol- phthalein	Fluorescein	Alizarin-Ce ³⁺ complex
2	none	R G S B	R G B	R G B	R G B	R G B
2	Ca ²⁺	R G B	R G B	R G B	R G B	R G B
7	none	R G B	R G	R G B	R G B	R G B
7	Ca²⁺	R G B	R G B	R G B	R G B	R G B
7	F.	СХХХ/Z К С В	R G B	R G B	R G B	R G B
12	none	R G B	R G B	ж () в	R G B	R G B
12	Ca ²⁺	R S B	R G B	R G XX B	R G B	R G B
12	F ·	R G B	R G B	R G B	R G B	R G B

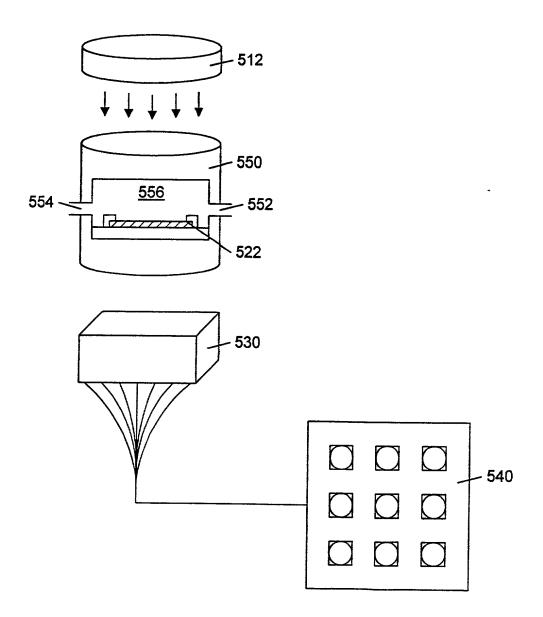


FIG. 17

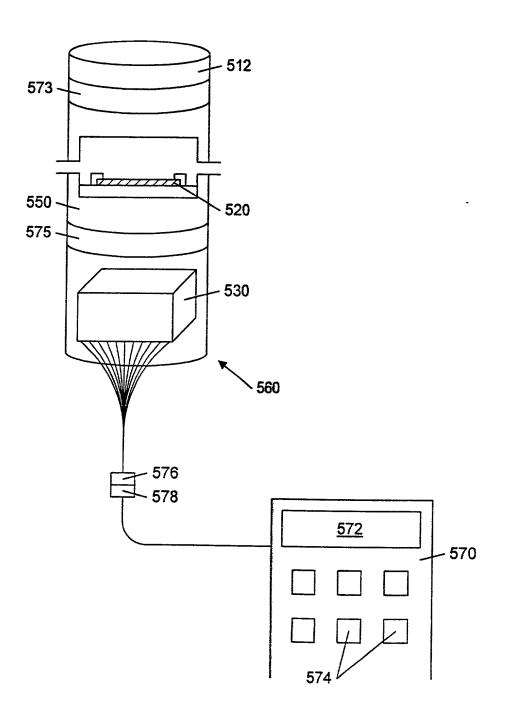


FIG. 18

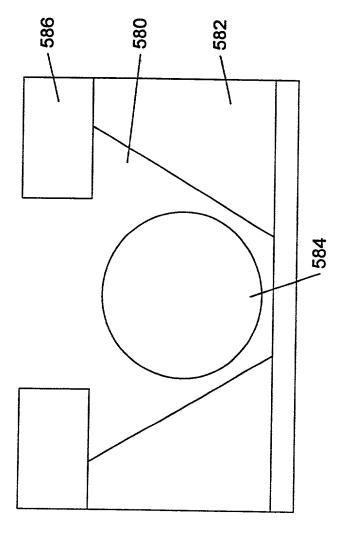


FIG. 19

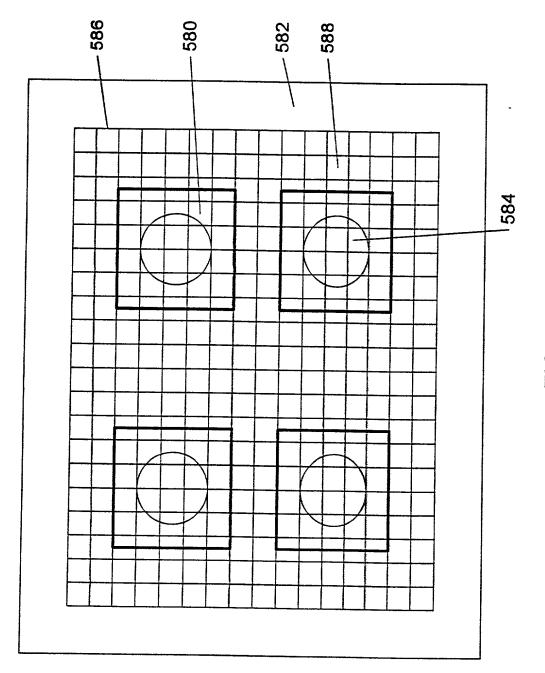
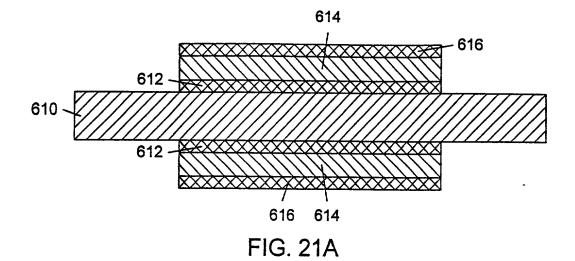
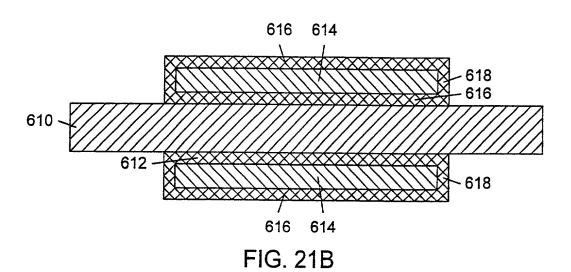


FIG. 20





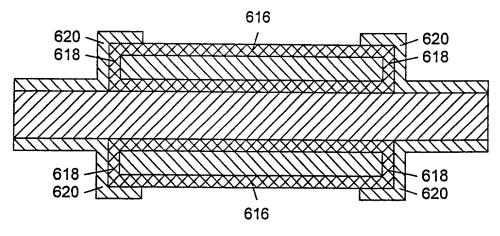


FIG. 21C

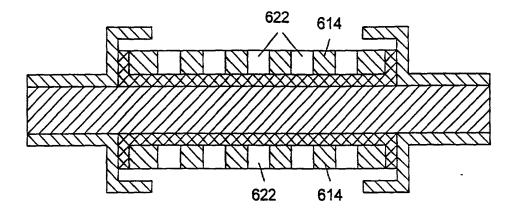
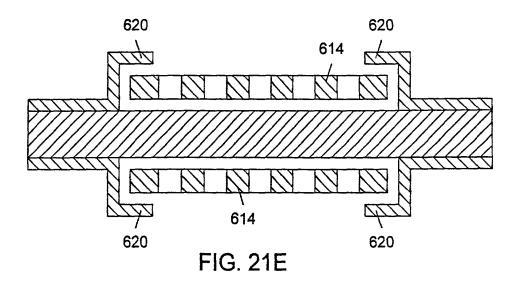


FIG. 21D



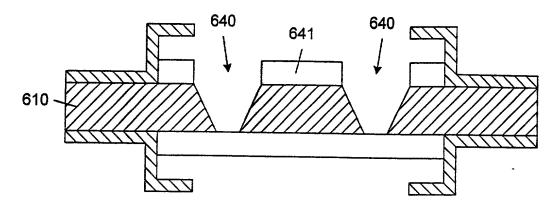


FIG. 21F

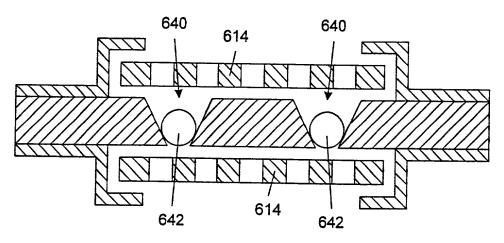
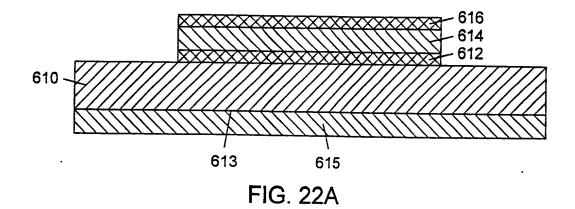


FIG. 21G



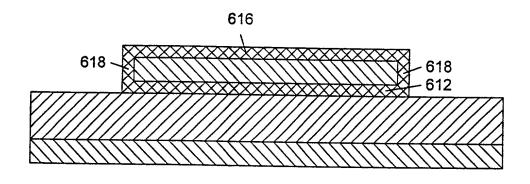


FIG. 22B

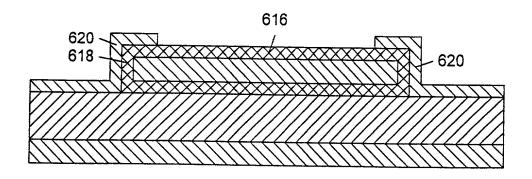
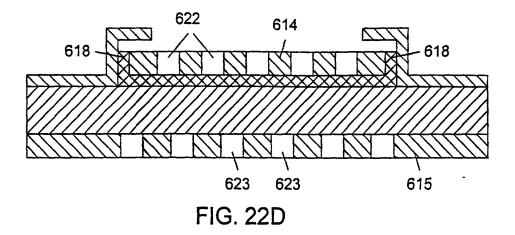


FIG. 22C



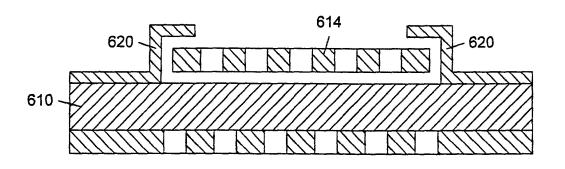


FIG. 22E

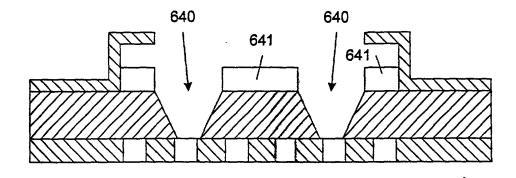


FIG. 22F

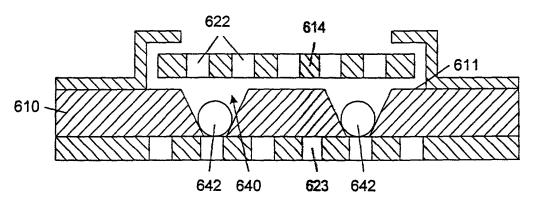


FIG. 22G

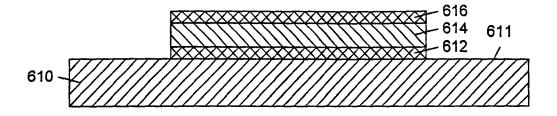


FIG. 23A

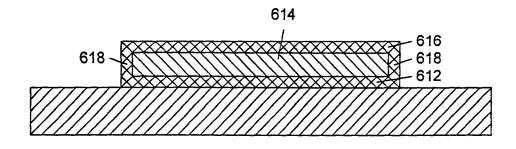


FIG. 23B

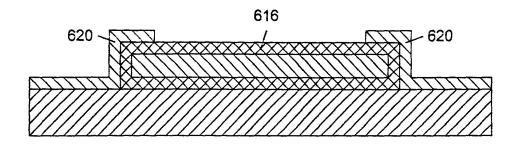


FIG. 23C

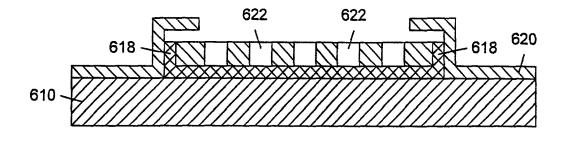


FIG. 23D

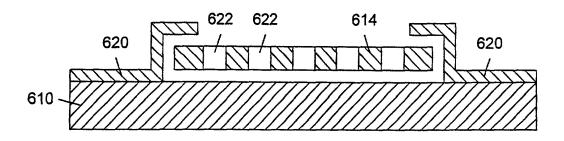


FIG. 23E

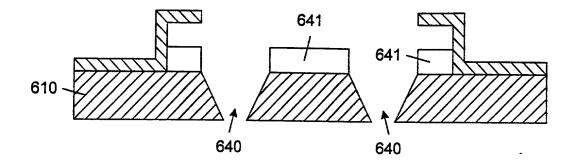


FIG. 23F

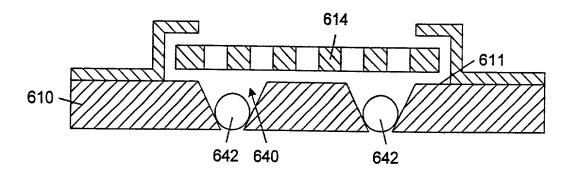
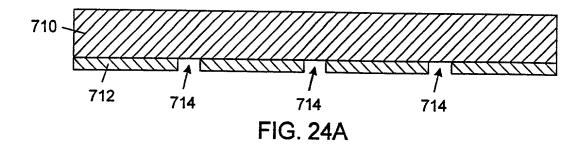


FIG. 23G



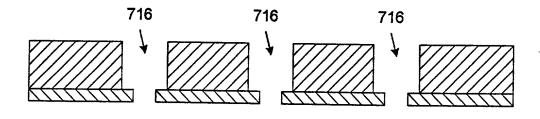


FIG. 24B

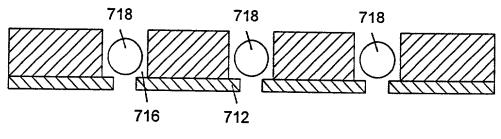


FIG. 24C

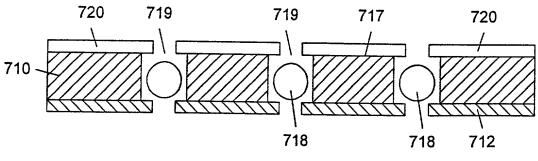
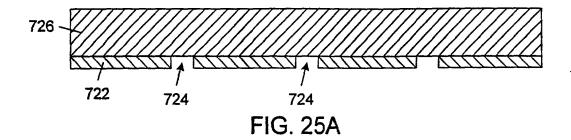


FIG. 24D



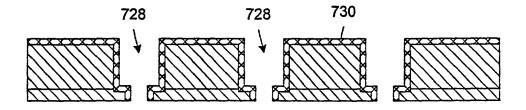
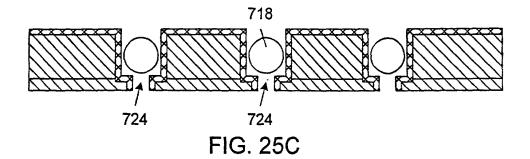


FIG. 25B



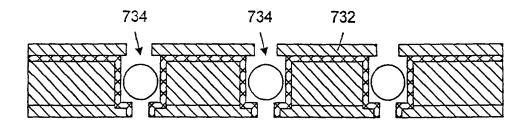
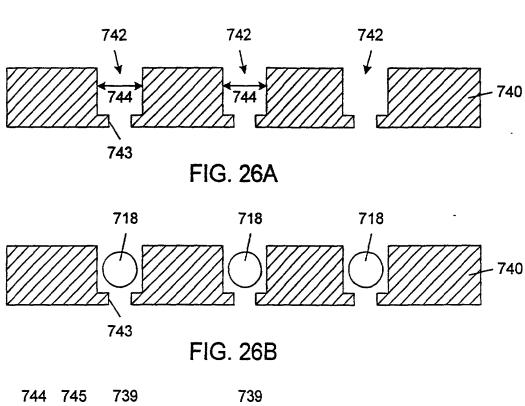


FIG. 25D



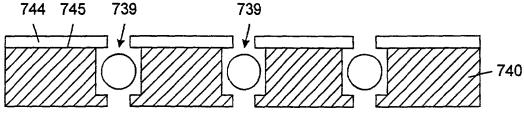


FIG. 26C

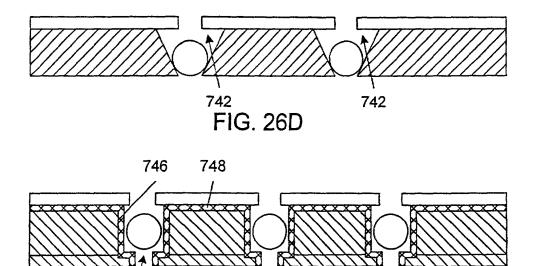


FIG. 26E

742

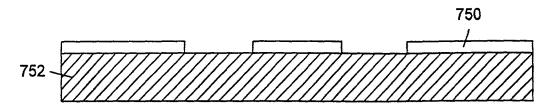


FIG. 27A

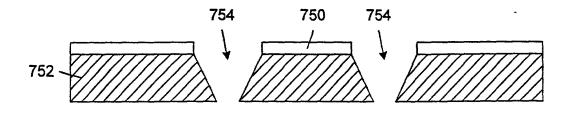


FIG. 27B

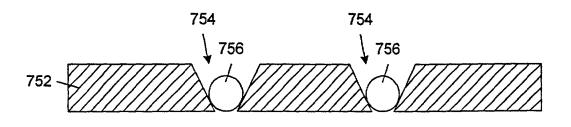
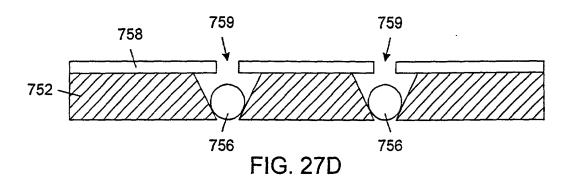
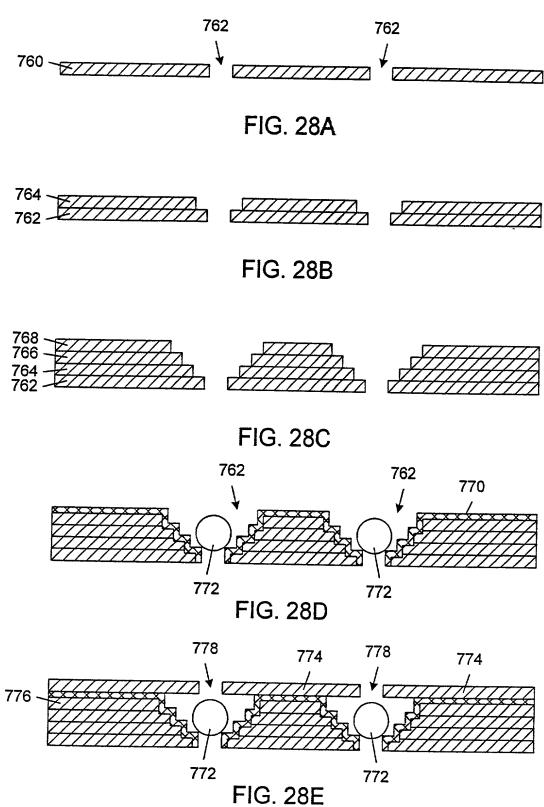


FIG. 27C





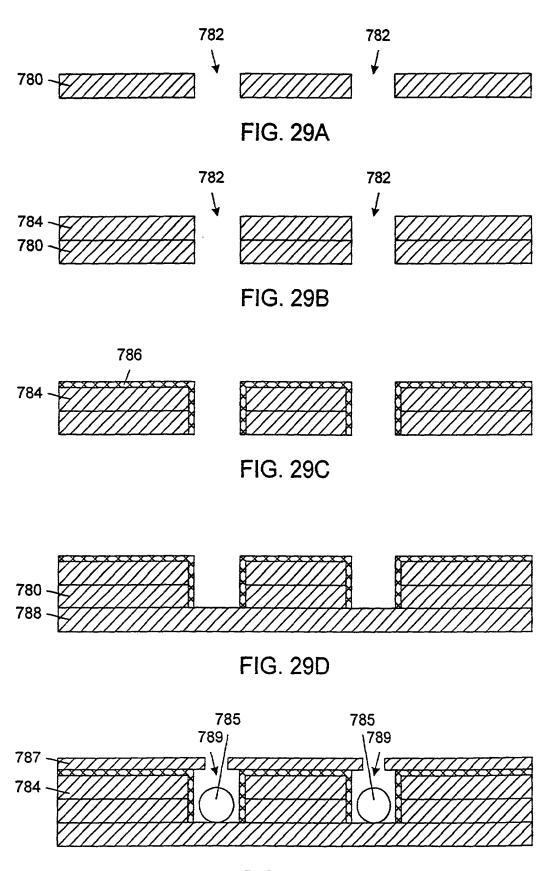


FIG. 29E

37/69

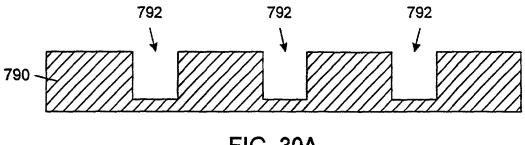
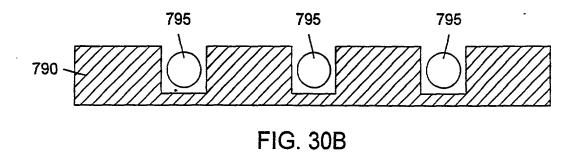
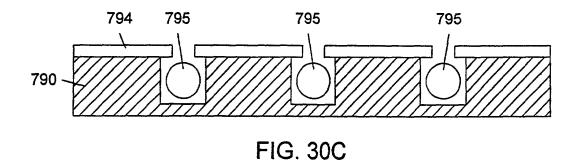


FIG. 30A





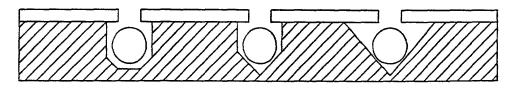


FIG. 30D

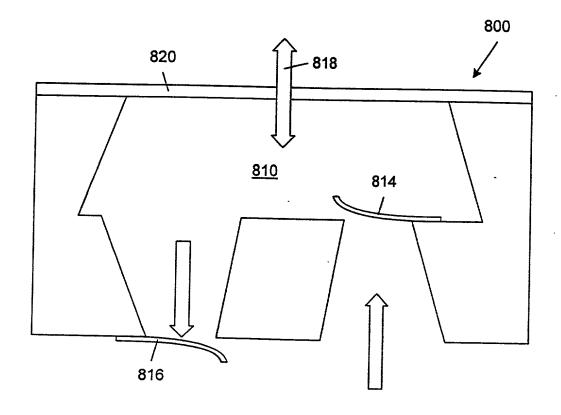


FIG. 31

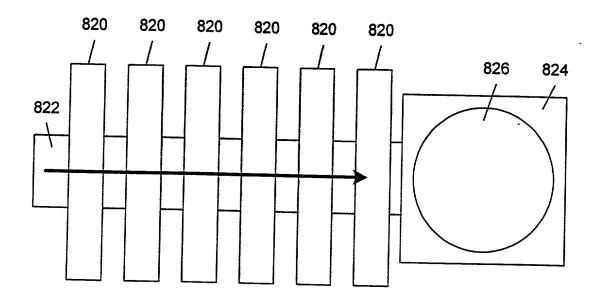
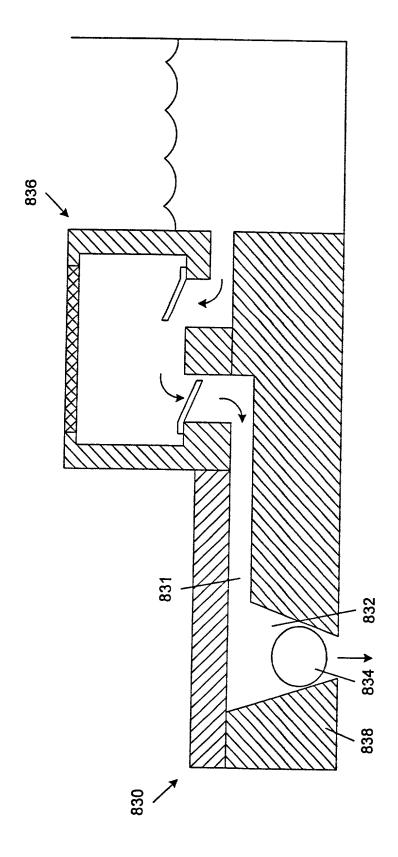


FIG. 32



·IG. 33

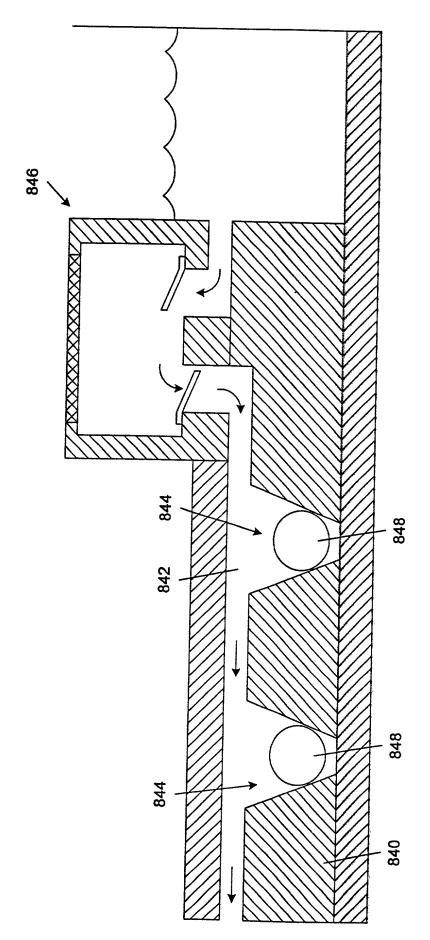


FIG. 34

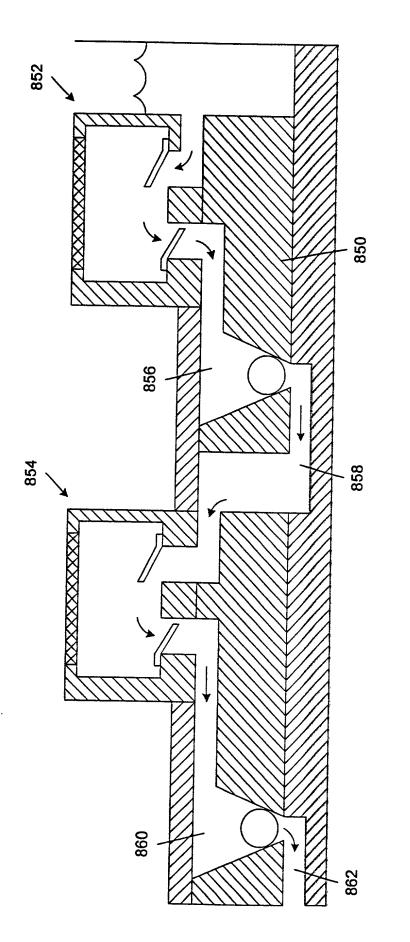


FIG. 35

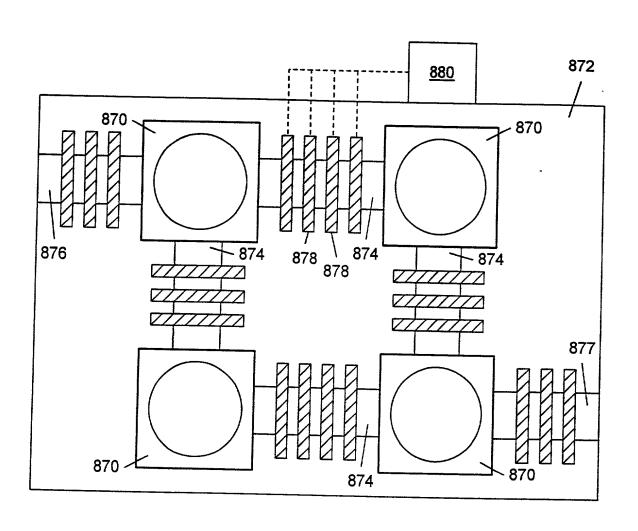
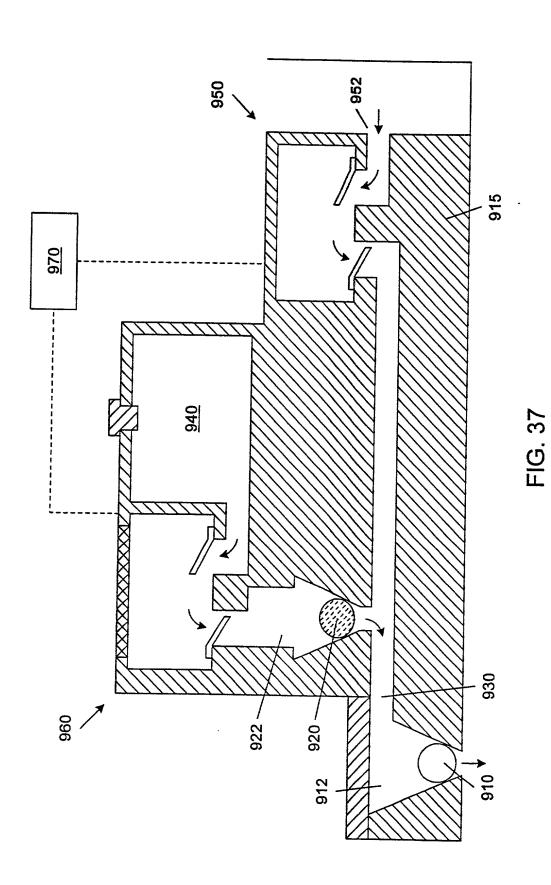
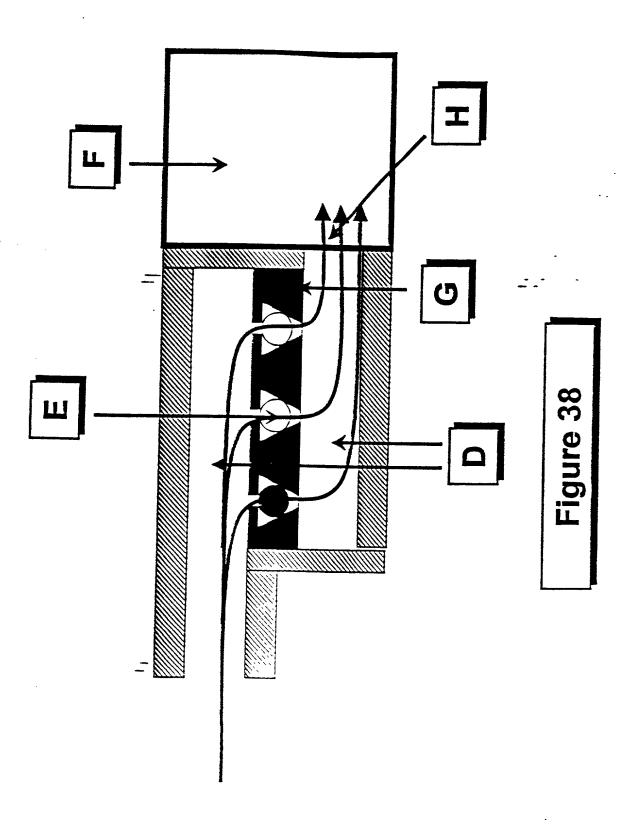
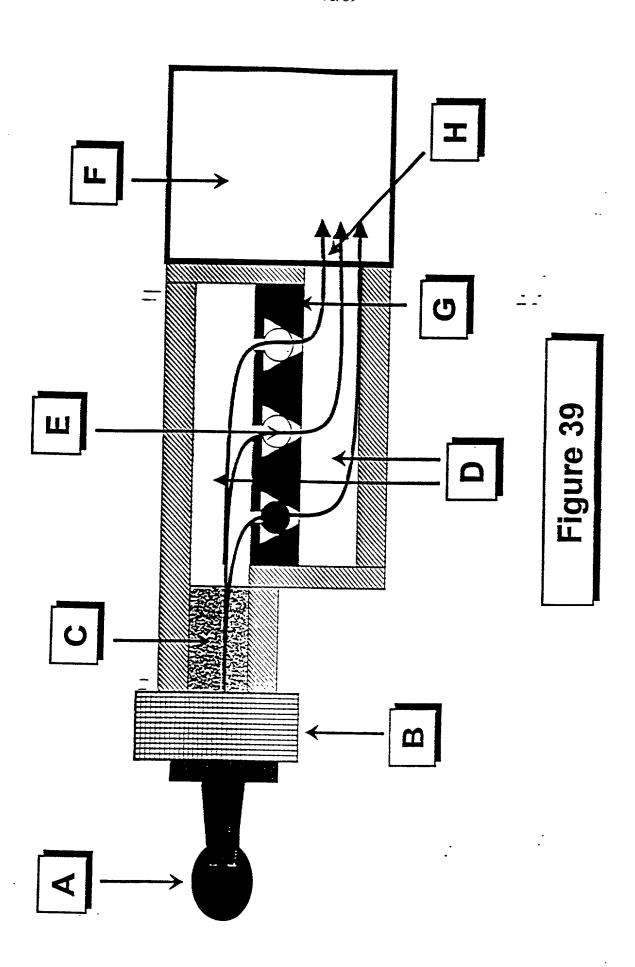
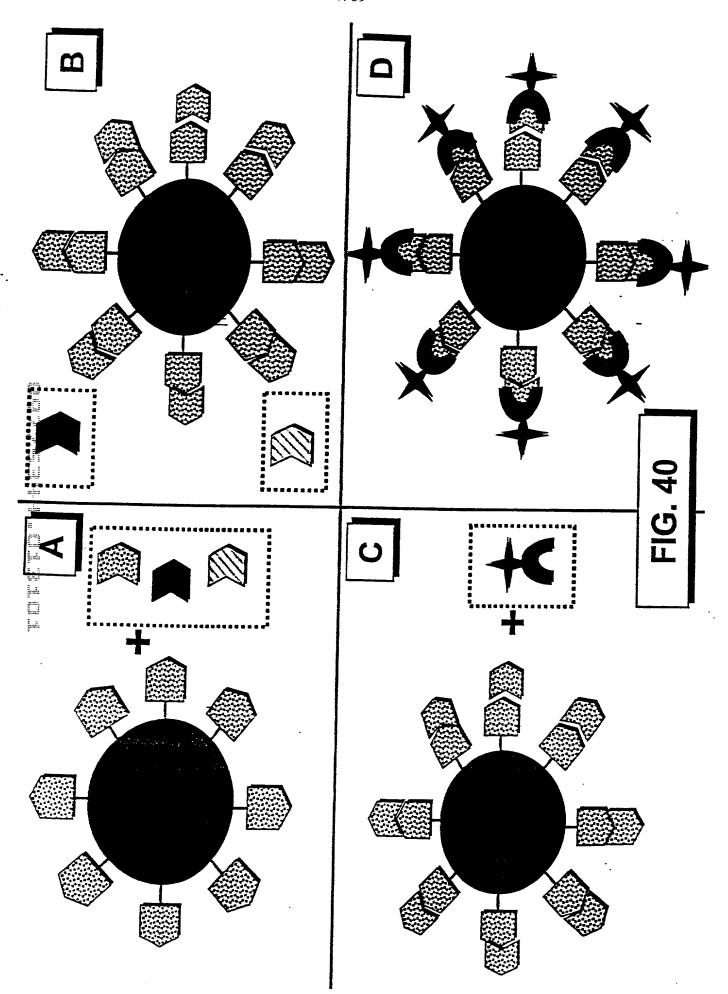


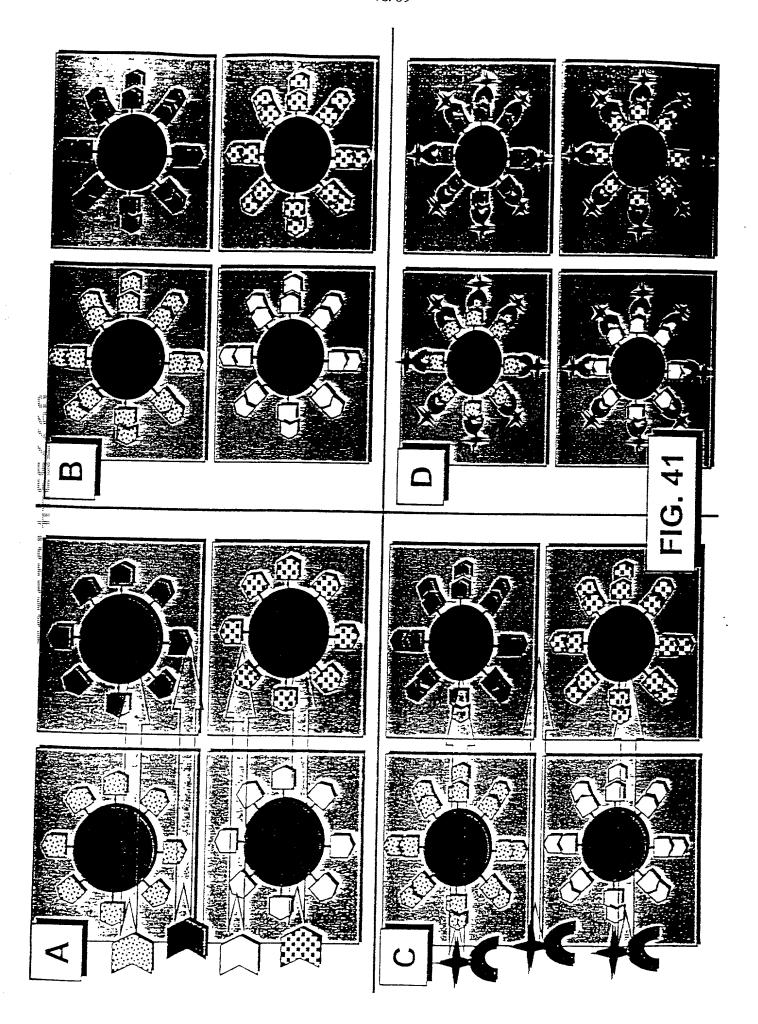
FIG. 36



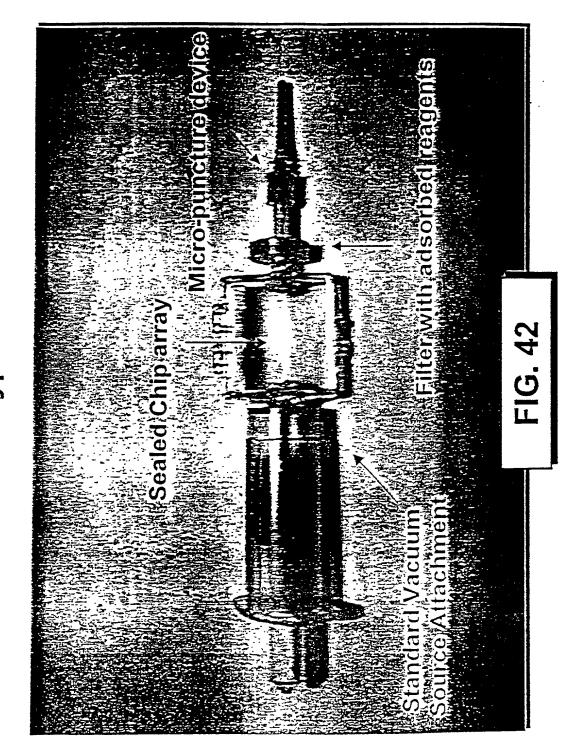


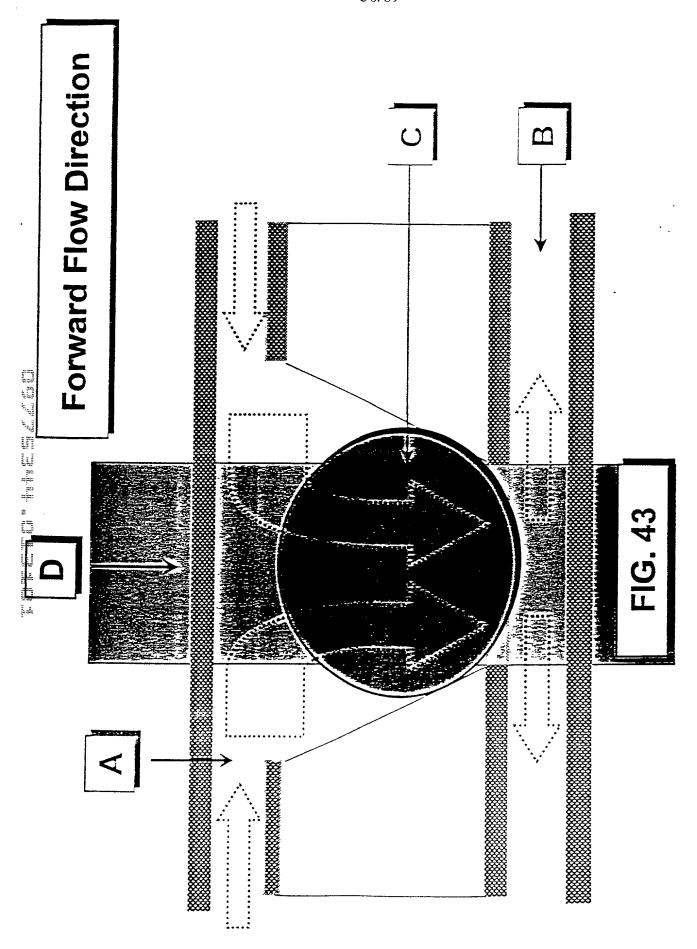


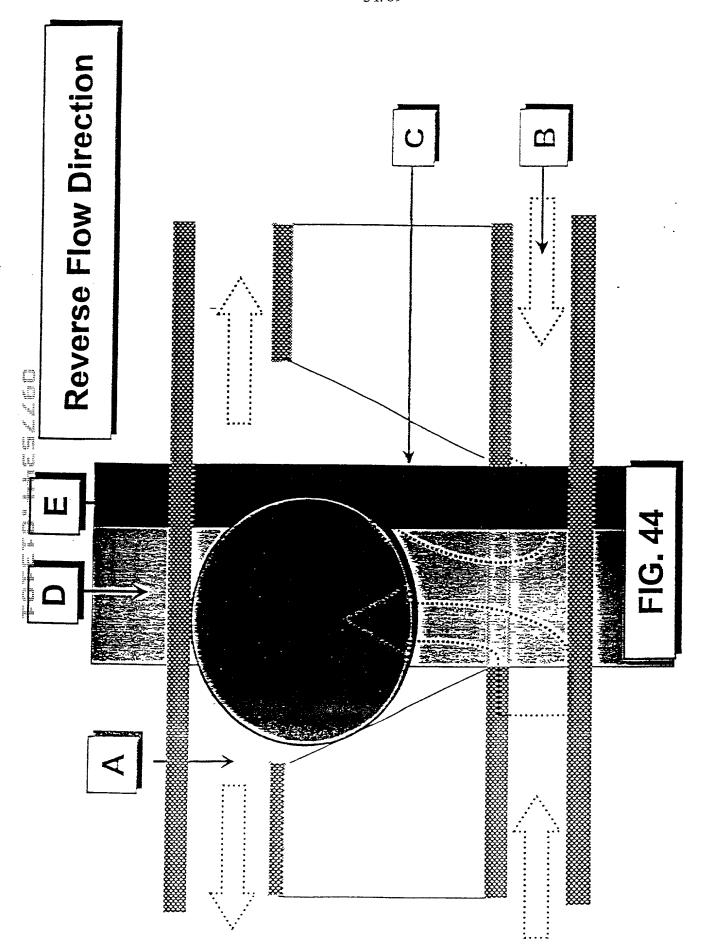


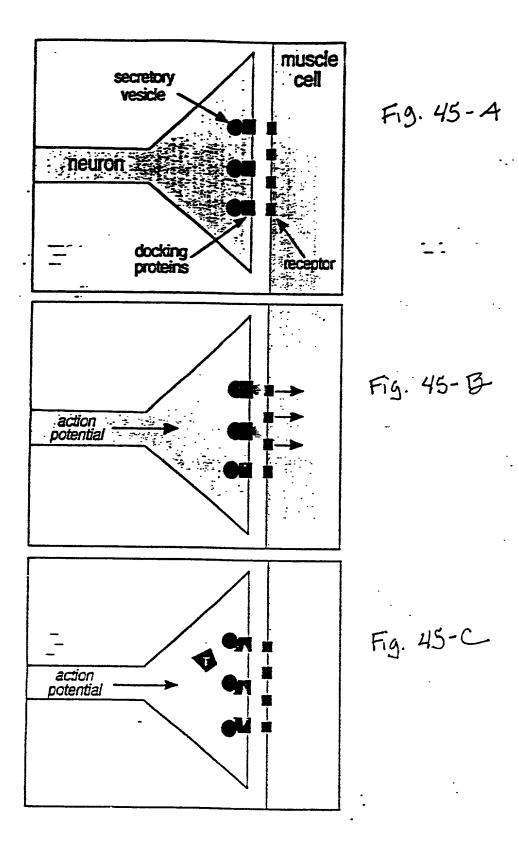


Electronic Tongue Biological Sample Acquisition Prototype 6/2/99









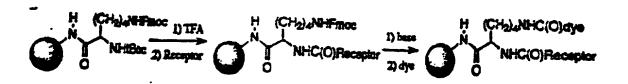
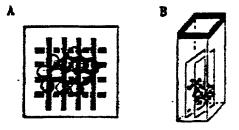
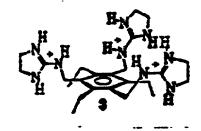


FIG. 45 D

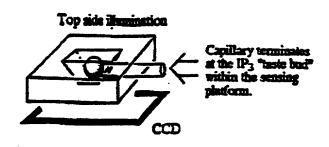


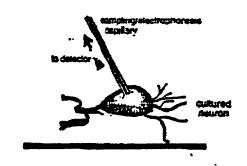
F16.46



F16. 47

F16. 48





F16.49

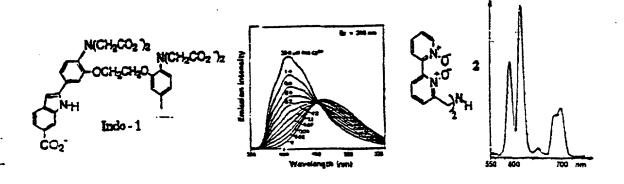
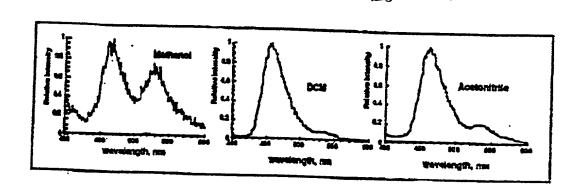
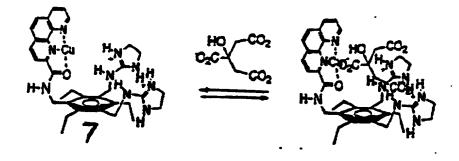


FIG. 50

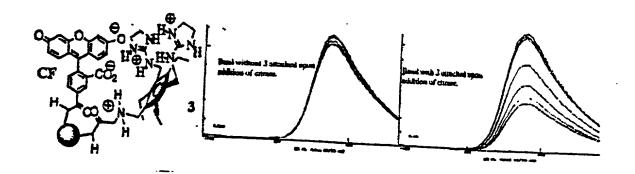
FIG. 51



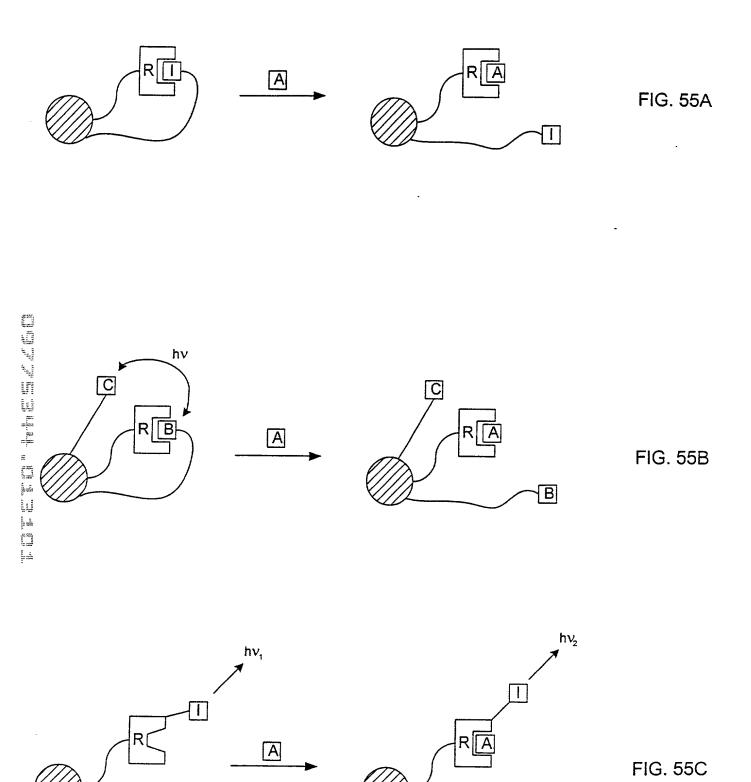
F16.52

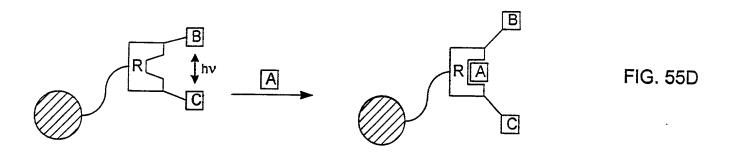


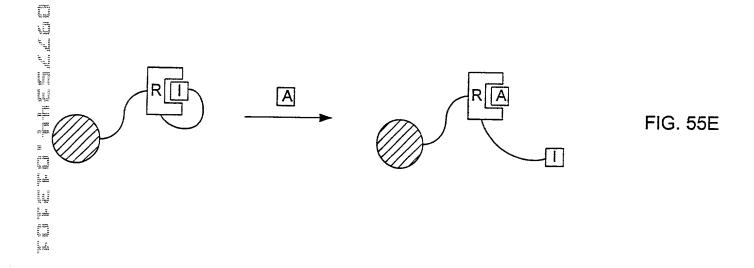
F16. 53

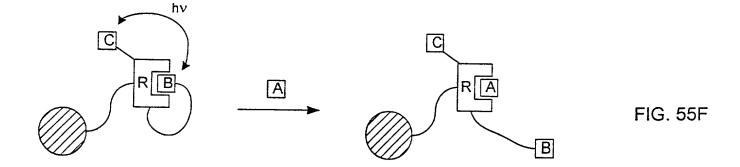


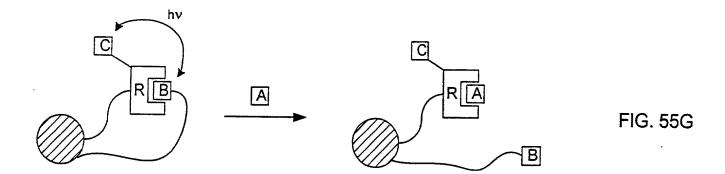
F15.54

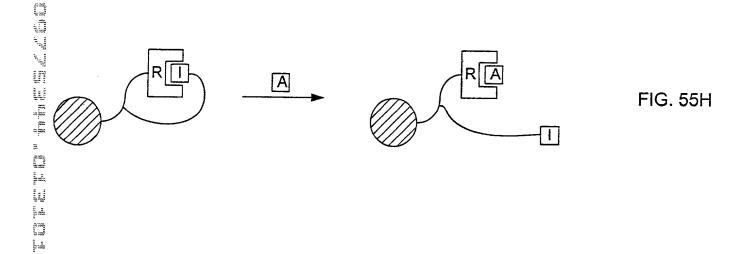


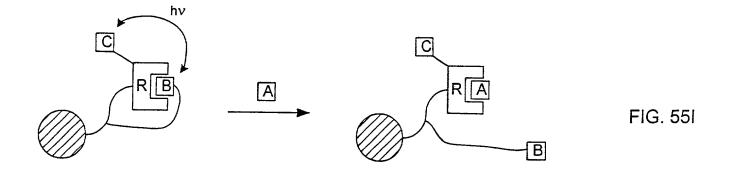












Fluorescein

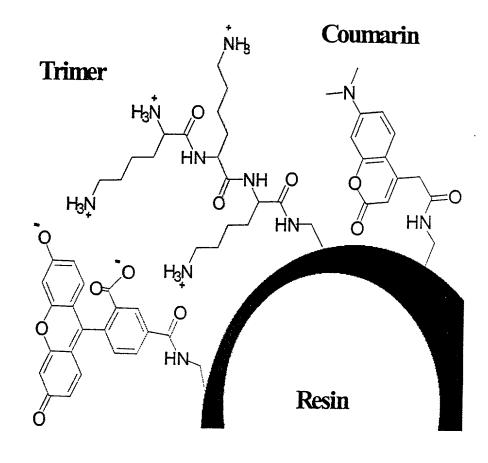


FIG. 56

1

FIG. 57

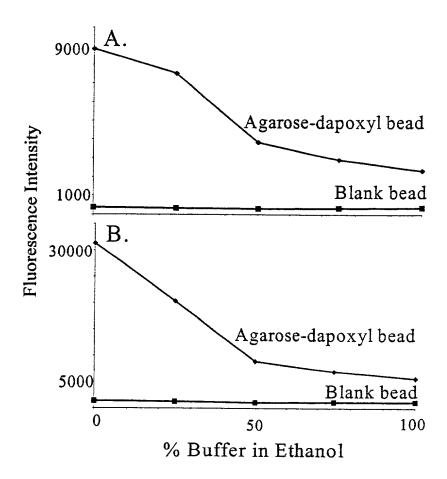


FIG. 58

FIG. 59

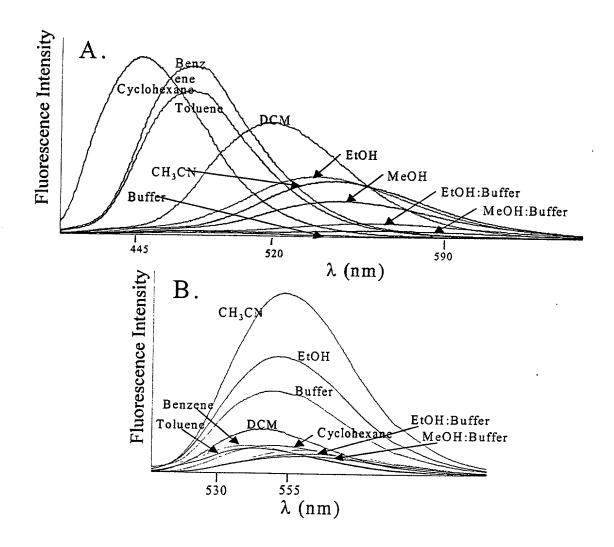
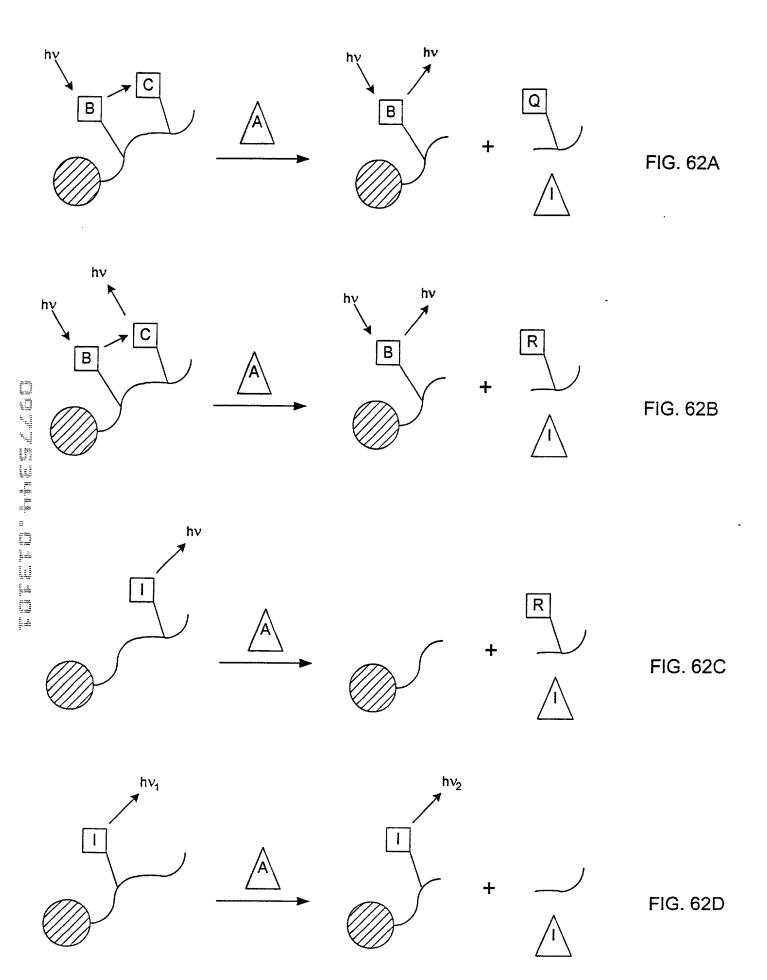


FIG. 60

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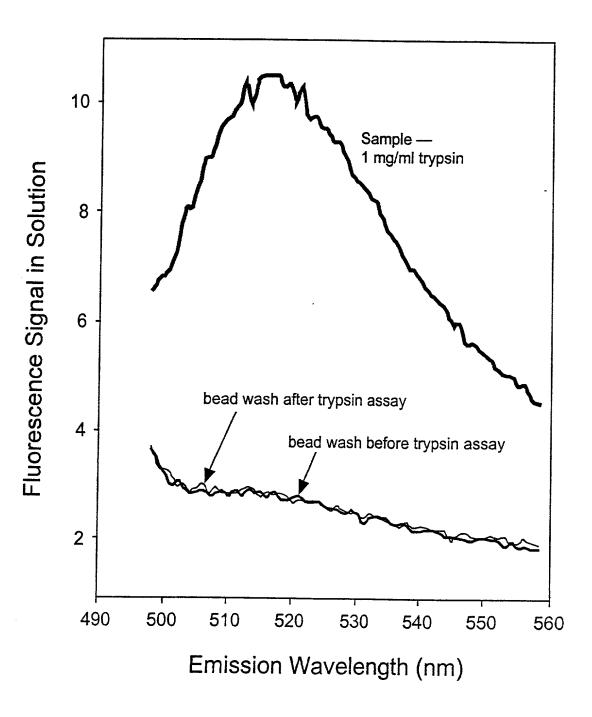


FIG. 63

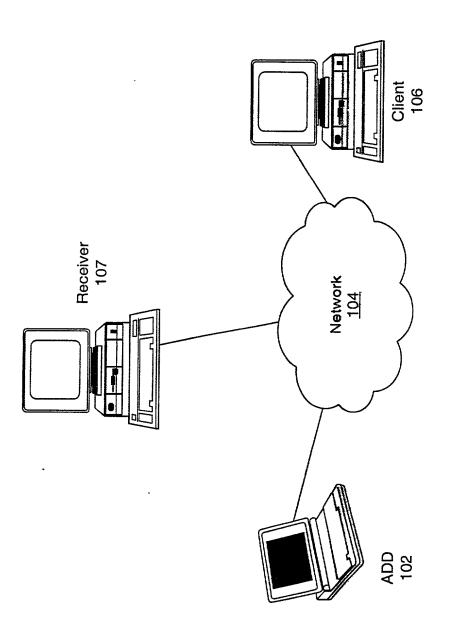


FIG. 🐿 64

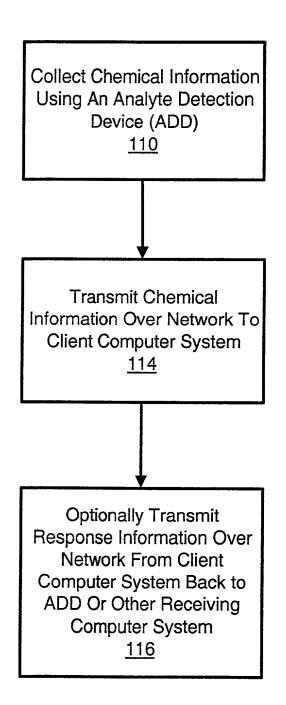


FIG. 58 65

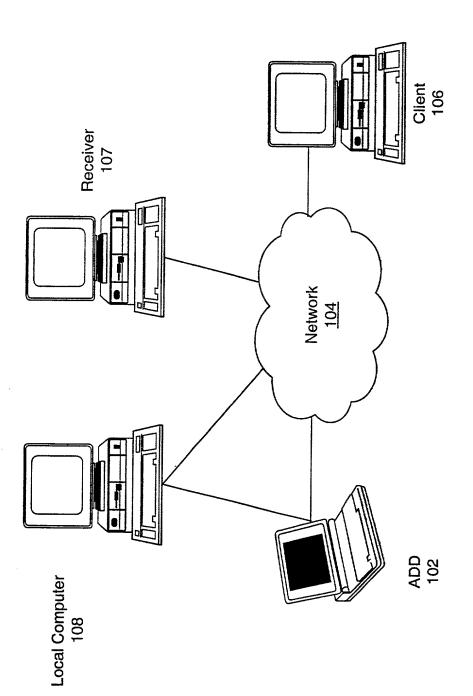


FIG. 🔊 66

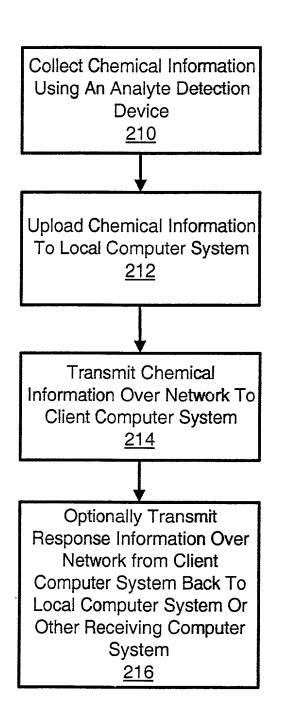


FIG. 67

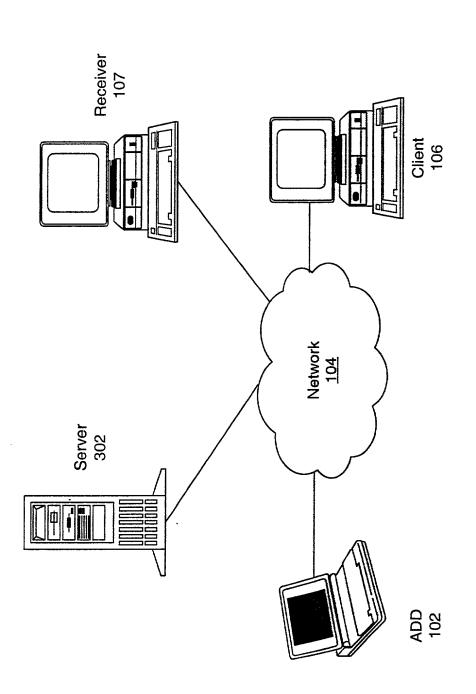


FIG. 1468

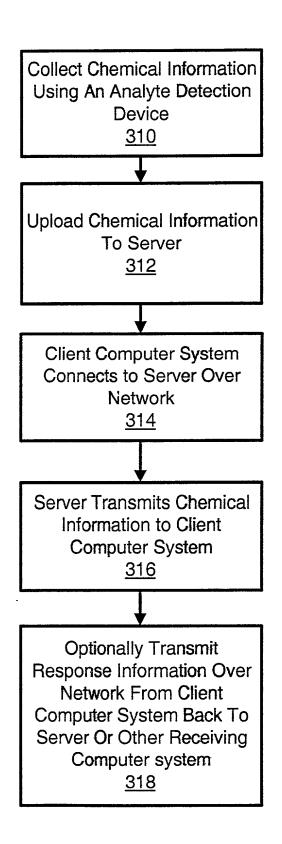


FIG. 🧀 69

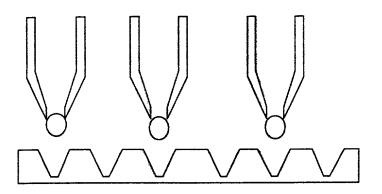


FIG. 704

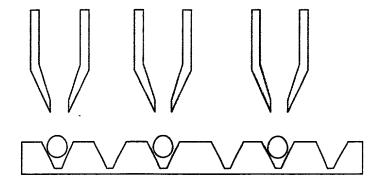


FIG. 578 70B

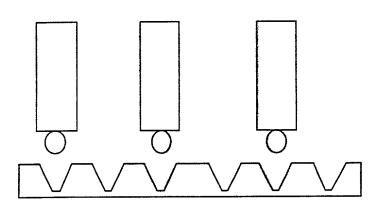


FIG. 58% 71A

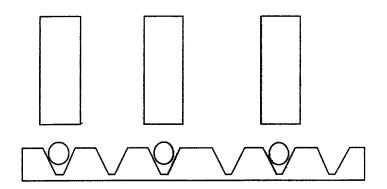


FIG. 568 718

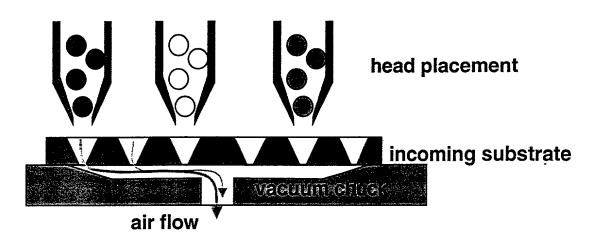


FIG. 39 72 A

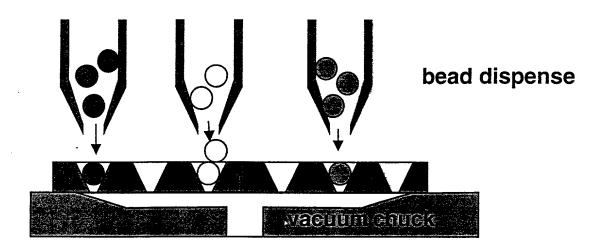


FIG. 59 72B

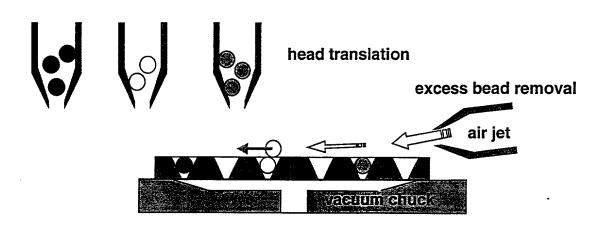


FIG. 592 72 C

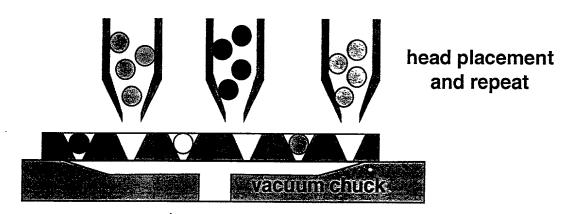
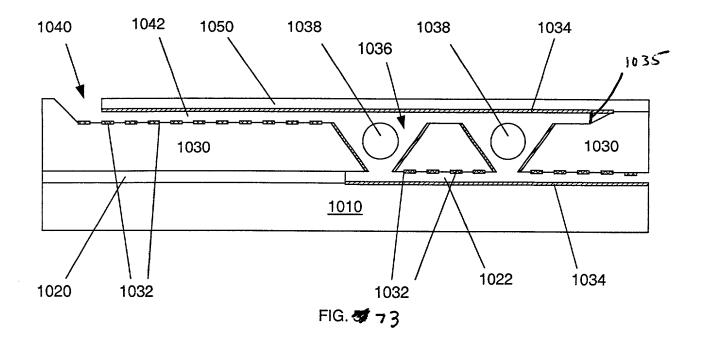
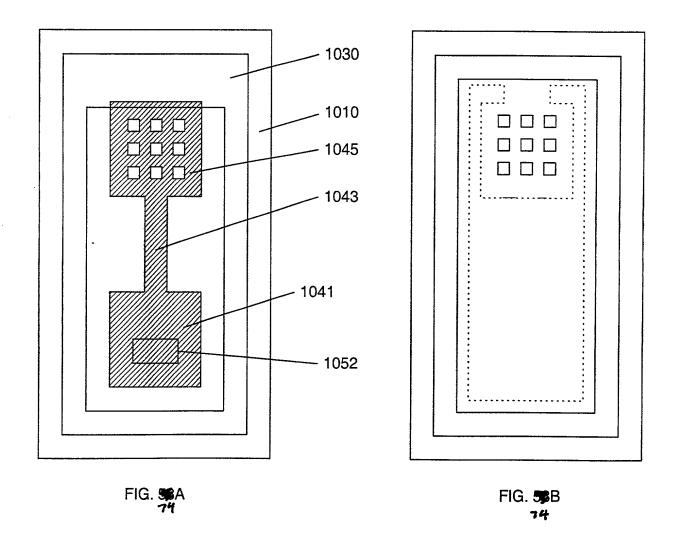
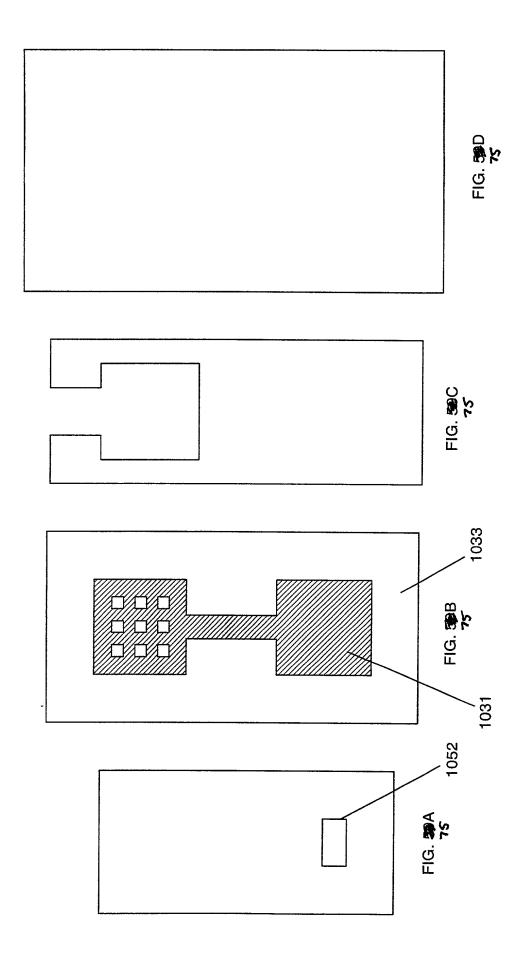


FIG. 590 729







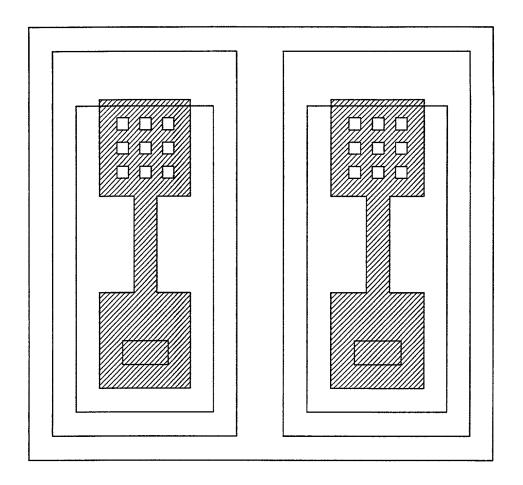
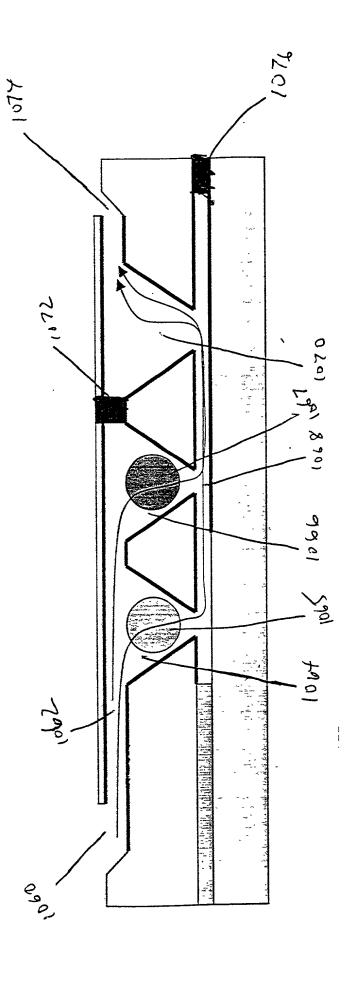


FIG. 🤧 76



F16.77

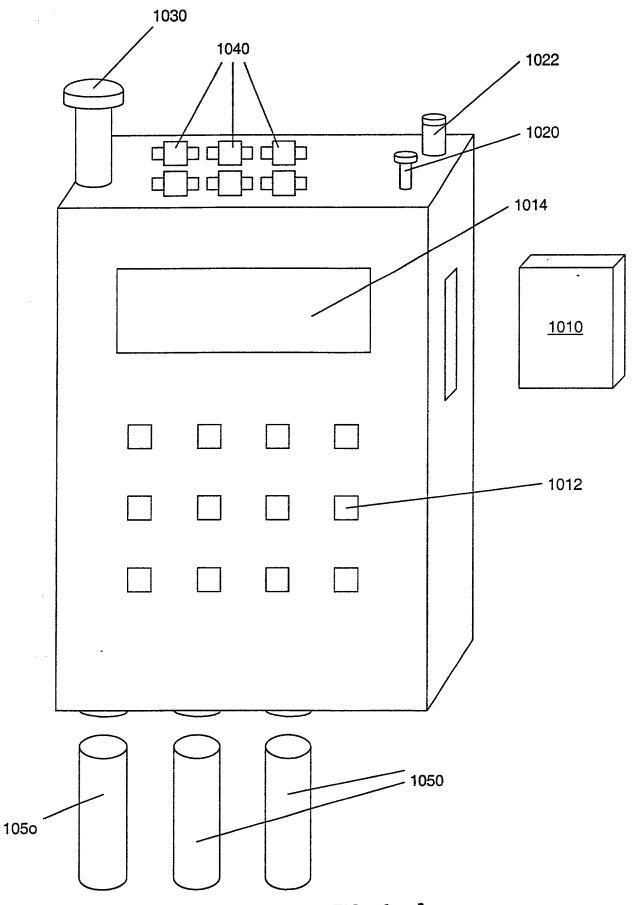


FIG. 📂 78

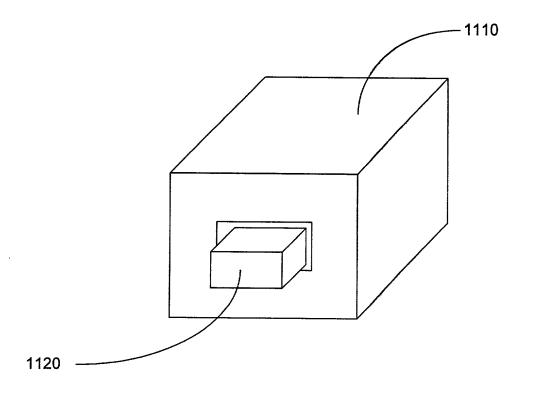
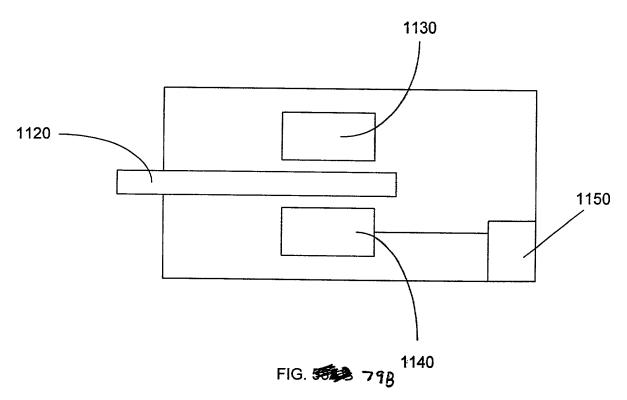
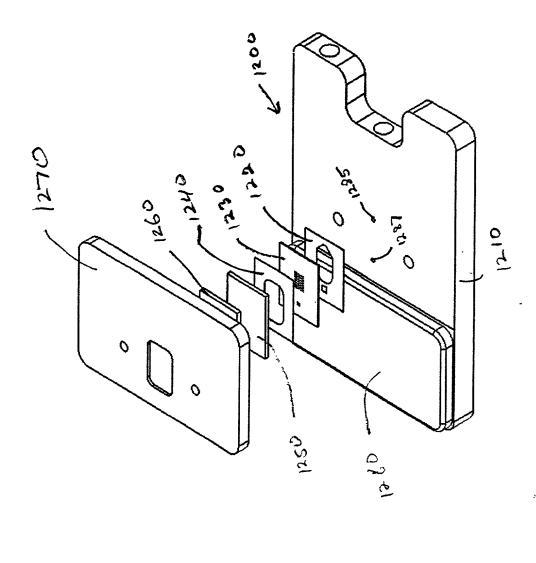
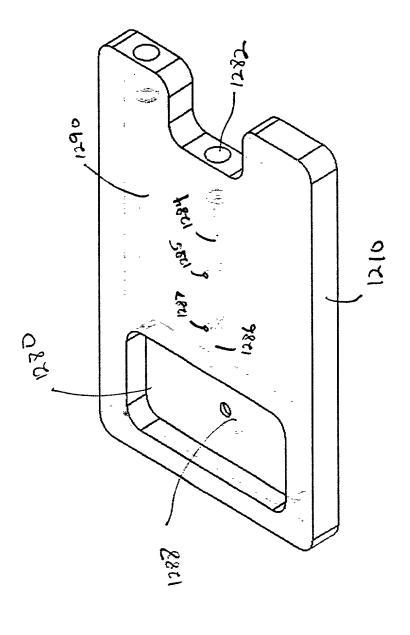


FIG. 333 79A





116 80



F16.81

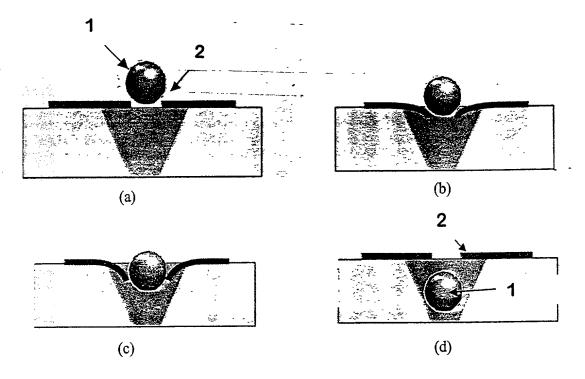


Figure \$ 82